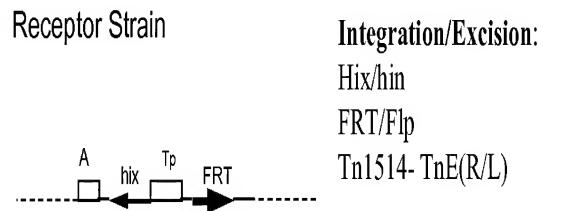


EXHIBIT A

Chromosomal integration of large designer DNA into *E. Coli*

Figure 1. Components for DNA Integration



Vector A

Counter-selection:
rpsL streptomycin
sensitivity
SacB sucrose sensitivity

Antibiotic Selection:
Km kanamycin resistance
Tp trimethopin resistance
Gm gentamycin resistance

Plasmid loss selection:
ori ts temperature sensitive
replicon

Vector B

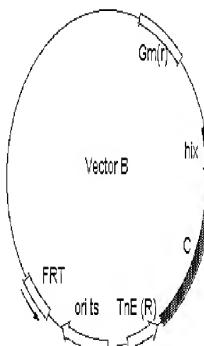


Figure 2. Integration and Excision Scheme

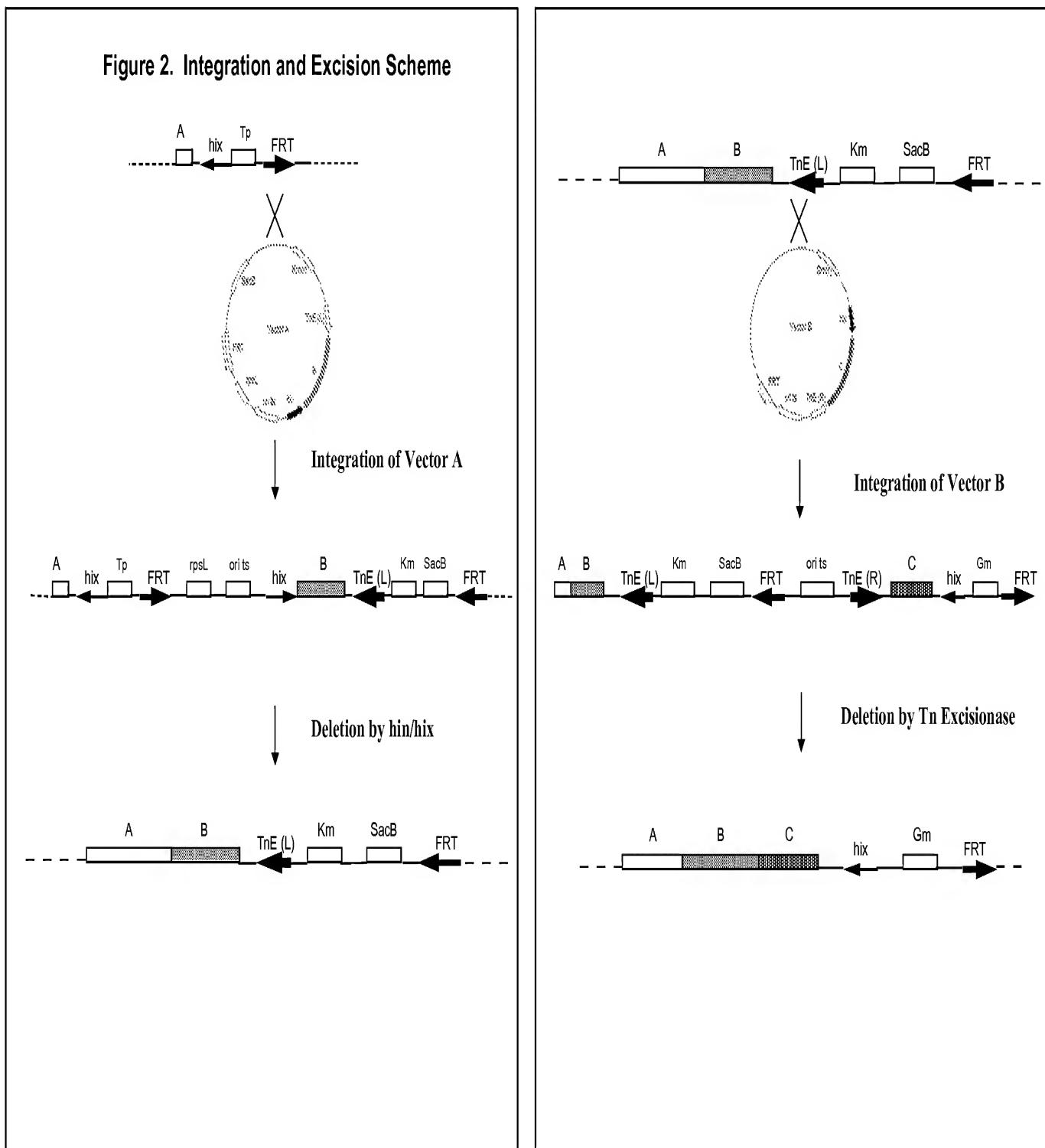


Figure 3. Construction of Receptor Strain

Susy McKay

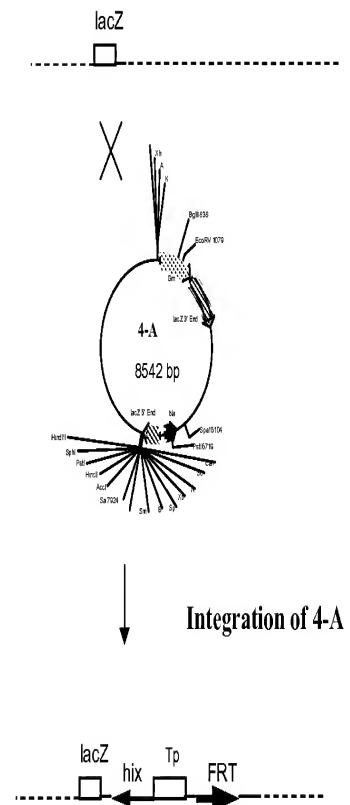
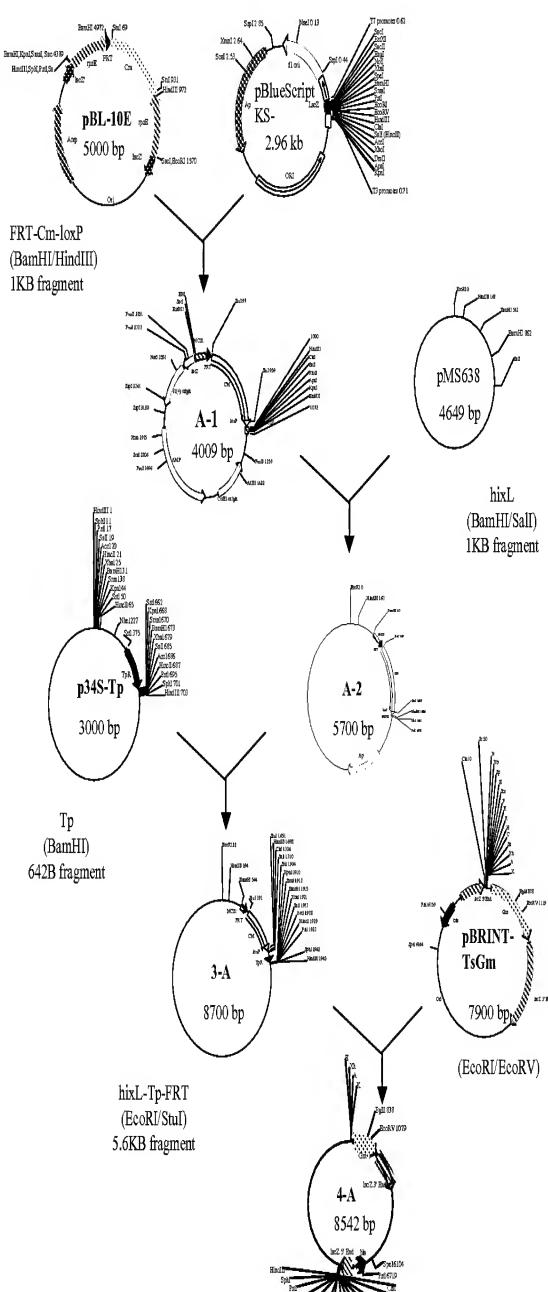


Figure 4. Construction of Vector A

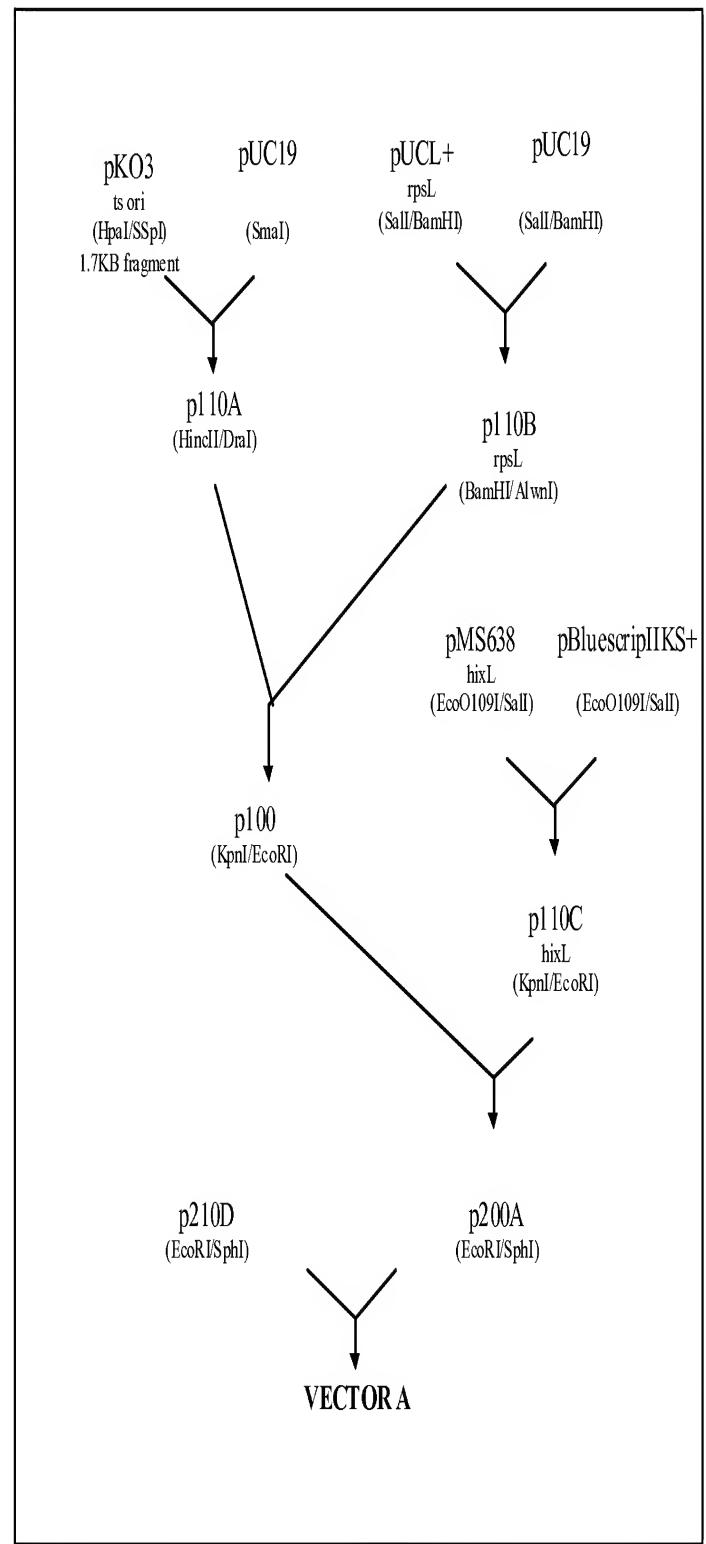
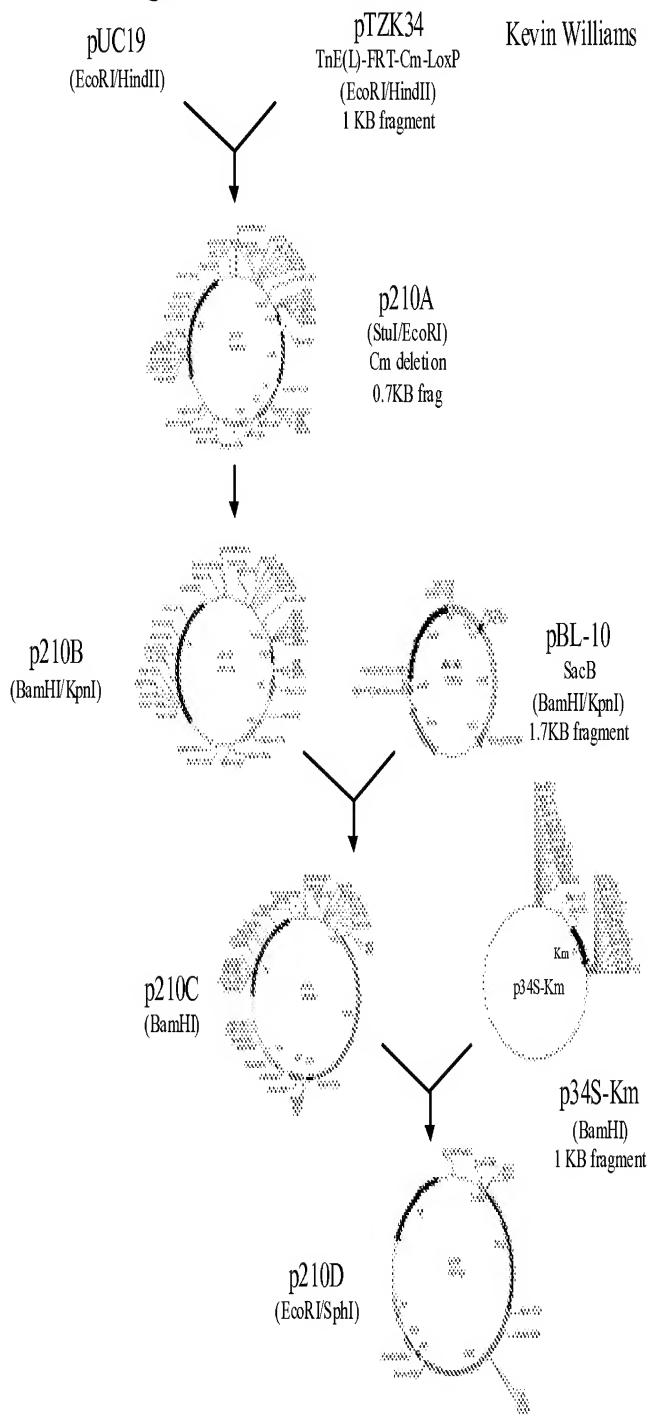


Figure 5. Construction of Vector B

